

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Yun-Bok LEE

GROUP ART UNIT: 2871

SERIAL NUMBER: 10/080,573

EXAMINER: TBA

FILED: February 25, 2002

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PATENT TRADEMARK OFFICE

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FOR: ARRAY SUBSTRATE FOR IN-PLANE SWITCHING MODE LIQUID CRYSTAL DISPLAY  
DEVICE AND MANUFACTURING METHOD THEREOF

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

MAR 28 2002

Commissioner for Patents  
Washington, D.C. 20530

Sir:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The Applicant(s) wish to make of record the references listed on the attached Form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending applications or issued patents which may be related to the present application. A copy of the patent(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

PETITION

- ☐ Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR § 1.17(i)(1).

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account No. 50-0911. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

LONG, ALDRIDGE & NORMAN LLP

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March 28, 2002

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TC-2800 MAIL ROOM

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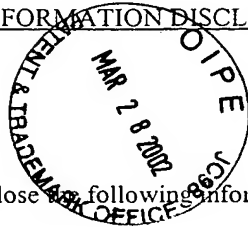
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Washington, D.C. 20231



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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY  
APPLICANT

(Use Several Sheets if Necessary)

Attorney Docket No.  
8733.594.00Application No.  
10/080,573

Date: March 7, 2002

Applicant  
Yun-Bok LEEFiling Date  
February 25, 2002Group  
2871

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL* | DOCUMENT<br>NUMBER | DATE    | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|--------------------|---------|-----------------|-------|----------|-------------------------------|
|                      | 5,598,285          | 1/1997  | Kondo et al.    | 349   | 39       | September 20, 1993            |
|                      | 5,838,037          | 11/1998 | Masutani et al. | 257   | 296      | May 19, 1997                  |
|                      | 5,946,060          | 8/1999  | Nishiki et al.  | 349   | 48       | June 3, 1997                  |
|                      | 5,990,987          | 11/1999 | Tanaka          | 349   | 43       | November 17, 1998             |
|                      | 6,028,653          | 2/2000  | Nishida         | 349   | 141      | June 19, 1997                 |
|                      | 6,097,454          | 8/2000  | Zhang et al.    | 349   | 43       | June 29, 1999                 |

## FOREIGN PATENT DOCUMENTS

| DOCUMENT<br>NUMBER | DATE   | COUNTRY | TRANSLATION |
|--------------------|--------|---------|-------------|
|                    |        |         | YES NO      |
| JP 09-005764       | 1/1997 | Japan   | Abstract    |
| JP 09-073101       | 3/1997 | Japan   | Abstract    |
| JP 09-105908       | 4/1997 | Japan   | Abstract    |
| JP 09-101538       | 4/1997 | Japan   | Abstract    |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |   |
|--|---|
|  | R. Kiefer et al.; "In-Plane Switching of Nematic Liquid Crystals"; Japan Display '92; pages 547-550   |
|  | M. Oh-e, et al.; "Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode"; Asia Display '95; pages 577-580                  |
|  | M. Ohta et al.; "Development of Super-TFT-LCDs with In-Plane Switching Display Mode"; Asia Display '95; pages 707-710   |
|  | S. Matsumoto et al.; "Display Characteristics of In-Plane Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5-in. IPS TFT-LCD; Euro Display '96; pages 445-448 |
|  | H. Wakemoto et al.; "An Advanced In-Plane Switching Mode TFT-LCD"; SID 97 Digest; pages 929-932   |
|  | S.H. Lee et al.; "High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled by Fringe-Field Switching; Asia Display '98; pages 371-374 |

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*\*English-language abstract provided.